

CLAIMS:

1. A method of motion estimation in video image data, in which method, starting from a first and a second video image (6, 7) parameter sets of two or more motion models are determined (11), characterized in that only those parts (4, 5) of the image area (1) are taken into account (9) for determining the parameter sets, in which the first video image is significantly distinguished from the second video image.

2. A method as claimed in claim 1, characterized in that deviations between the current and the previous video image are evaluated block by block, taking those blocks for determining the parameter sets into account in which the value of the deviation exceeds a predetermined threshold value.

3. A method as claimed in claim 2, characterized in that the threshold value is based on the condition that the number of image areas taken into account for determining the parameter sets is limited to a predeterminable value.

4. A method as claimed in claim 1, characterized in that those parts of the image area are taken into account for determining the parameter sets, in which motion was determined in previous video image data of a sequence of video images.

5. A device for motion estimation in video image data, the device comprising a digital image memory in which a first and a second video image can be stored, and means for determining parameter sets of two or more motion models in accordance with a selection criterion, characterized by means for block-wise evaluation of the deviations between the current and the previous video image and for selection of those blocks for use of the selection criterion, in which the value of the deviation exceeds a predeterminable threshold value.

6. A device for displaying video images, particularly a television or a monitor, comprising a digital image memory (22) in which video image data can be stored, and electronic means (21, 25) for processing the image data stored in the image memory and for

displaying video images on a display device (28), the means (21) for processing the image data comprising means for determining parameter sets of two or more motion models in accordance with a selection criterion, characterized in that the means (21) for processing the image data further comprise means for block-wise evaluation of the deviations between the current and the previous video image and for selection of those blocks for use of the selection criterion, in which the value of the deviation exceeds a predeterminable threshold value.

7. A computer program product for motion estimation in video image data, which computer program product comprises, as input, a first and a second video image and, starting therefrom, computes parameter sets of two or more motion models and supplies motion data describing the displacement of image objects from the previous to the current image, characterized in that the image data of the two video images are compared with each other and only those parts of the image area in which there are significant differences between the two video images are taken into account in the computation of the parameter sets.